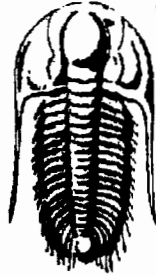


25-19s-11w

IND



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Novy Oil & Gas**

125 N. Market, Ste. 1230  
Wichita, KS 67202

ATTN: Mac Armstrong

**25-19s-11w Barton KS**

**Isern A # 4**

Start Date: 2009.08.30 @ 08:10:18

End Date: 2009.08.30 @ 17:27:18

Job Ticket #: 33798                      DST #: 1

15-009-25339-000

Novy Oil & Gas

Isern A # 4

25-19s-11w Barton KS

DST # 1

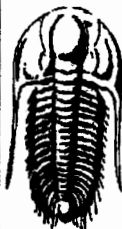
Lansing

2009.08.30

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

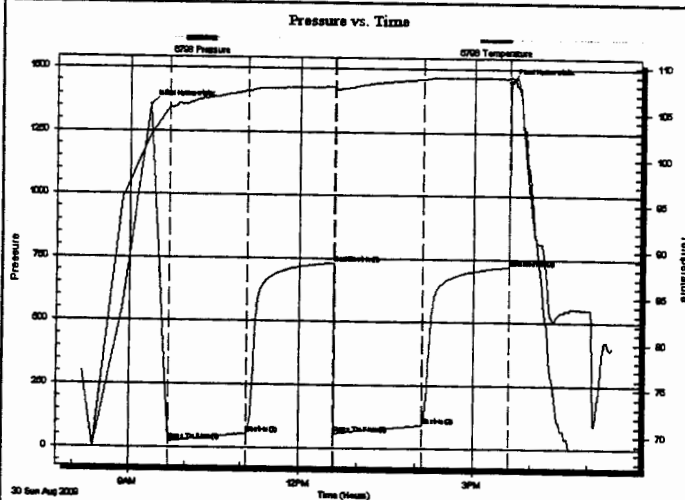
Isern A # 4  
25-19s-11w Barton KS  
Job Ticket: 33798      DST#: 1  
Test Start: 2009.08.30 @ 08:10:18

## GENERAL INFORMATION:

Formation: **Lansing**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 09:42:18  
Time Test Ended: 17:27:18  
Test Type: **Conventional Bottom Hole**  
Tester: **Jerry Adams**  
Unit No: **45**  
Interval: **3004.00 ft (KB) To 3040.00 ft (KB) (TVD)**  
Reference Elevations: **1774.00 ft (KB)**  
**3040.00 ft (KB) (TVD)**      **1766.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**      **KB to GRVCF: 8.00 ft**

Serial #: **6798**      **Inside**  
Press@RunDepth: **93.28 psig @ 3005.00 ft (KB)**  
Capacity: **7000.00 psig**  
Start Date: **2009.08.30**      End Date: **2009.08.30**      Last Calib.: **2009.08.30**  
Start Time: **08:10:19**      End Time: **17:27:18**      Time On Btrr: **2009.08.30 @ 09:22:18**  
Time Off Btrr: **2009.08.30 @ 15:37:48**

TEST COMMENT: IF:Weak blow . Built to 4".  
IS:No blow .  
FF:Weak blow . Built to 8".  
FS:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1351.62	102.49	Initial Hydro-static
20	23.96	105.53	Open To Flow (1)
104	56.28	107.26	Shut-In (1)
193	731.79	107.77	End Shut-In (1)
194	58.68	107.47	Open To Flow (2)
284	93.28	108.65	Shut-In (2)
375	719.88	108.81	End Shut-In (2)
376	1450.97	108.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling Mud w/ oil scum 100% m	0.56
125.00	Muddy Water 50% w 50% m	1.75
0.00	RW = .156 @ 132 deg.	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Novy Oil & Gas

**Isern A # 4**

125 N. Market, Ste. 1230  
Wichita, KS 67202

**25-19s-11w Barton KS**

Job Ticket: 33798

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2009.08.30 @ 08:10:18

### Tool Information

Drill Pipe: Length: 2998.00 ft Diameter: 3.80 inches Volume: 42.05 bbl  
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl  
 Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl  
 Total Volume: 42.05 bbl

Tool Weight: 2300.00 lb  
 Weight set on Packer: 20000.00 lb  
 Weight to Pull Loose: 40000.00 lb  
 Tool Chased 0.00 ft  
 String Weight: Initial 34000.00 lb  
 Final 35000.00 lb

Drill Pipe Above KB: 25.00 ft  
 Depth to Top Packer: 3004.00 ft  
 Depth to Bottom Packer: ft  
 Interval between Packers: 36.00 ft  
 Tool Length: 67.00 ft

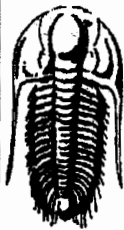
Number of Packers: 2 Diameter: 6.75 inches

### Tool Comments:

Sampler: 1.2 cu. ft  
100 PSI

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2978.00	
Sampler	3.00			2981.00	
Hydraulic tool	5.00			2986.00	
Jars	5.00			2991.00	
Safety Joint	3.00			2994.00	
Packer	5.00			2999.00	31.00 Bottom Of Top Packer
Packer	5.00			3004.00	
Stubb	1.00			3005.00	
Recorder	0.00	6798	Inside	3005.00	
Recorder	0.00	8367	Inside	3005.00	
Perforations	32.00			3037.00	
Bullnose	3.00			3040.00	36.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

**Isern A # 4**  
**25-19s-11w Barton KS**  
Job Ticket: 33798      DST#: 1  
Test Start: 2009.08.30 @ 08:10:18

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 54.00 sec/qt  
Water Loss: 9.94 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 3900.00 ppm  
Filter Cake: 0.20 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig  
Oil API: deg API  
Water Salinity: 23000 ppm

### Recovery Information

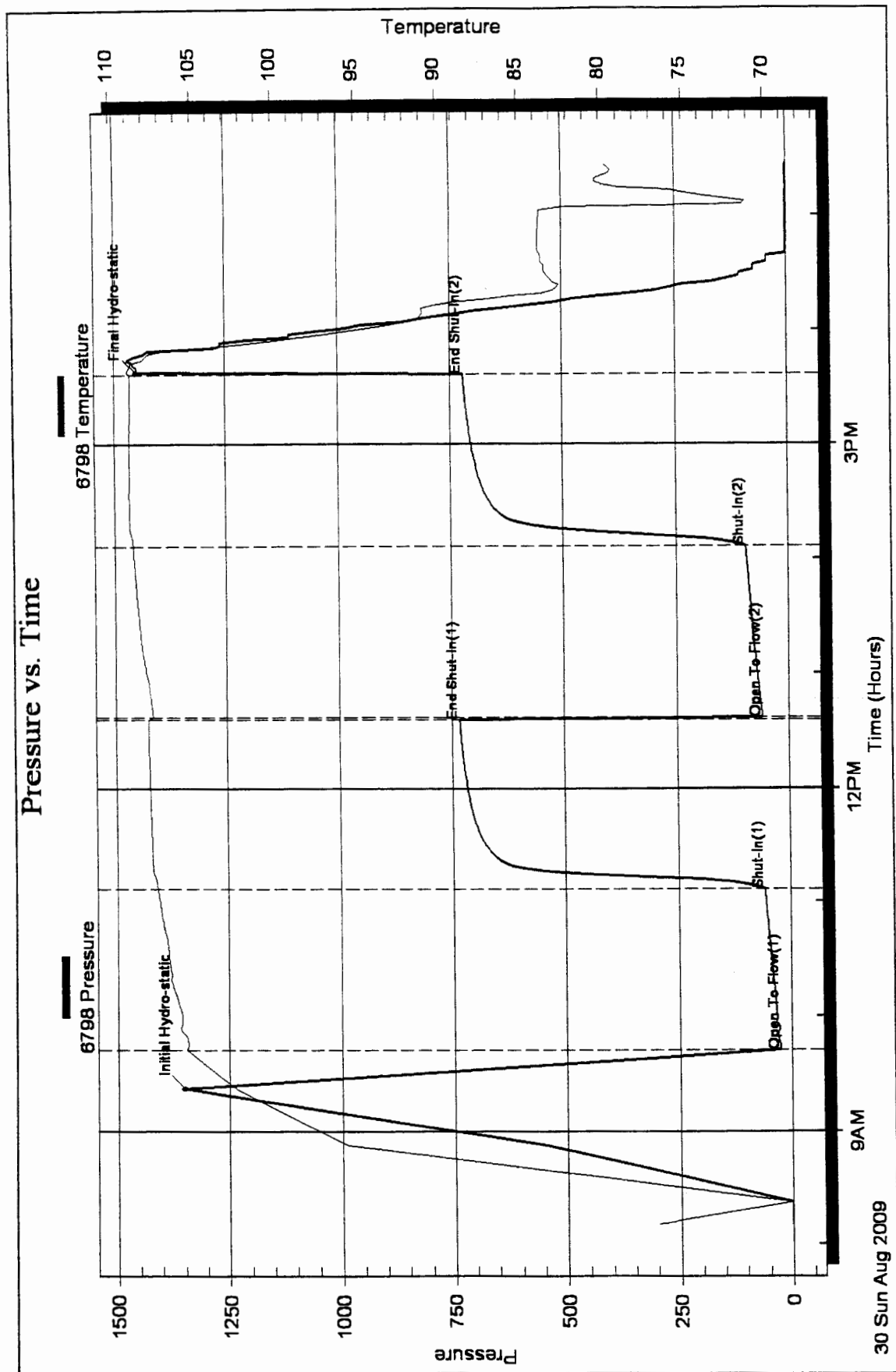
Recovery Table

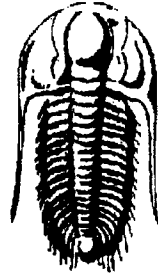
Length ft	Description	Volume bbl
40.00	Drilling Mud w/ oil scum 100%m	0.561
125.00	Muddy Water 50%w 50%m	1.753
0.00	RW = .156 @ 132 deg.	0.000

Total Length: 165.00 ft      Total Volume: 2.314 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

125 N. Market, Ste. 1230  
Wichita, KS 67202

ATTN: Mac Armstrong

**25-19s-11w Barton KS**

**Isern A # 4**

Start Date: 2009.08.31 @ 02:14:06

End Date: 2009.08.31 @ 11:54:06

Job Ticket #: 33799                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Novy Oil & Gas

Isern A # 4

25-19s-11w Barton KS

DST # 2

Lansing

2009.08.31



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

Isern A # 4  
25-19s-11w Barton KS  
Job Ticket: 33799 DST#: 2  
Test Start: 2009.08.31 @ 02:14:06

## GENERAL INFORMATION:

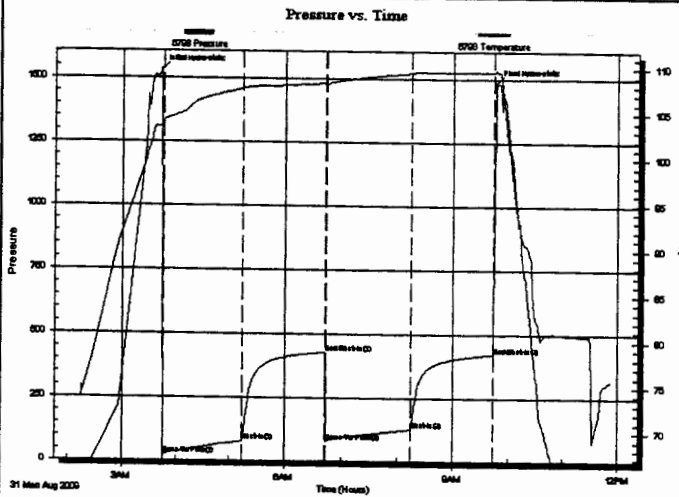
Formation: **Lansing**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 03:45:36  
Time Test Ended: 11:54:06  
Interval: **3096.00 ft (KB) To 3133.00 ft (KB) (TVD)**  
Total Depth: **3133.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Jerry Adams**  
Unit No: **45**  
Reference Elevations: **1774.00 ft (KB)**  
**1766.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

## Serial #: 6798

Inside

Press@RunDepth: **127.23 psig @ 3097.00 ft (KB)**  
Start Date: **2009.08.31** End Date: **2009.08.31**  
Start Time: **02:14:07** End Time: **11:54:06**  
Capacity: **7000.00 psig**  
Last Calib.: **2009.08.31**  
Time On Btrr: **2009.08.31 @ 03:44:06**  
Time Off Btrr: **2009.08.31 @ 09:45:36**

TEST COMMENT: IF:Strong blow . B.O.B. in 4 mins.  
IS:Weak blow . Built to 1 1/2".  
FF:Strong blow . B.O.B. in 9 mins.  
FS:Weak blow . Built to 1".



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1530.78	103.55	Initial Hydro-static
2	20.62	104.22	Open To Flow (1)
90	78.12	107.69	Shut-In (1)
179	428.06	108.32	End Shut-In (1)
180	79.67	108.19	Open To Flow (2)
270	127.23	109.46	Shut-In (2)
360	420.97	109.65	End Shut-In (2)
362	1482.99	109.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGO&WCM 2%g 2%o 1%w 95%am	0.42
220.00	SG&WCM w/oil scum 5%g 15%w 80%an	3.09
0.00	1050' GIP	0.00
0.00	RW = .052 @ 121 deg.	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Novy Oil & Gas

**Isern A # 4**

125 N. Market, Ste. 1230  
Wichita, KS 67202

**25-19s-11w Barton KS**

Job Ticket: 33799

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2009.08.31 @ 02:14:06

### Tool Information

Drill Pipe:	Length: 3092.00 ft	Diameter: 3.80 inches	Volume: 43.37 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 43.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3096.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:  
Sampler: .5 cu. ft  
400 PSI

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3070.00	
Sampler	3.00			3073.00	
Hydraulic tool	5.00			3078.00	
Jars	5.00			3083.00	
Safety Joint	3.00			3086.00	
Packer	5.00			3091.00	31.00 Bottom Of Top Packer
Packer	5.00			3096.00	
Stubb	1.00			3097.00	
Recorder	0.00	6798	Inside	3097.00	
Recorder	0.00	8367	Inside	3097.00	
Perforations	33.00			3130.00	
Bullnose	3.00			3133.00	37.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>68.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

**Isern A # 4**  
**25-19s-11w Barton KS**  
Job Ticket: 33799      **DST#: 2**  
Test Start: 2009.08.31 @ 02:14:06

**Mud and Cushion Information**

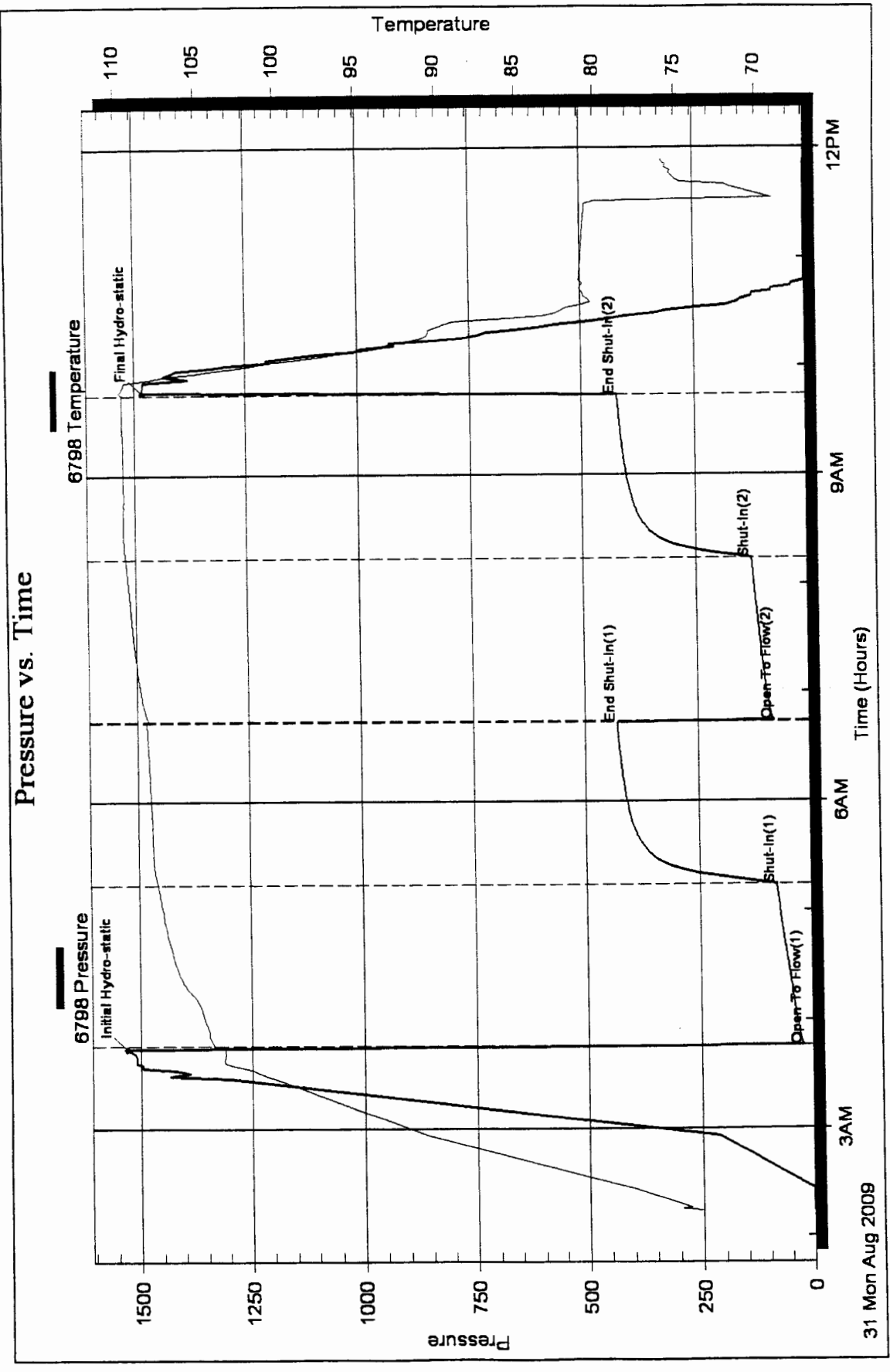
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 92000 ppm	
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.15 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	SGO&WCM 2%g 2%o 1%w 95%m	0.421
220.00	SG&WCM w/oil scum 5%g 15%w 80%m	3.086
0.00	1050' GIP	0.000
0.00	RW = .052 @ 121 deg.	0.000

Total Length: 250.00 ft      Total Volume: 3.507 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



31 Mon Aug 2009



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

125 N. Market, Ste. 1230  
Wichita, KS 67202

ATTN: Mac Armstrong

**25-19s-11w Barton KS**

**Isern A # 4**

Start Date: 2009.08.31 @ 19:50:07

End Date: 2009.09.01 @ 03:31:37

Job Ticket #: 33800                      DST #: 3

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Novy Oil & Gas

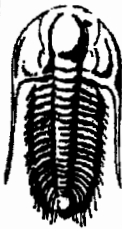
Isern A # 4

25-19s-11w Barton KS

DST # 3

Lansing

2009.08.31



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

Isern A # 4

25-19s-11w Barton KS

Job Ticket: 33800

DST#: 3

Test Start: 2009.08.31 @ 19:50:07

## GENERAL INFORMATION:

Formation: **Lansing**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 21:11:37  
Time Test Ended: 03:31:37

Test Type: **Conventional Bottom Hole**  
Tester: **Jerry Adams**  
Unit No: **45**

Interval: **3188.00 ft (KB) To 3210.00 ft (KB) (TVD)**  
Total Depth: **3210.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1774.00 ft (KB)**  
**1766.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

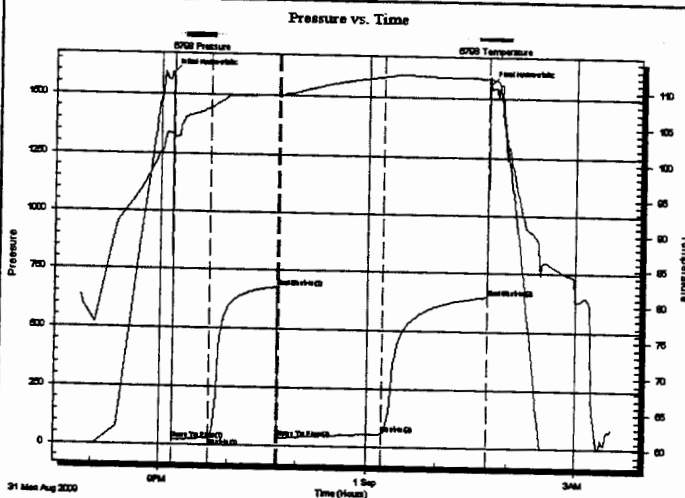
Serial #: **6798**

Inside

Press@RunDepth: **56.70 psig @ 3189.00 ft (KB)**  
Start Date: **2009.08.31** End Date: **2009.09.01**  
Start Time: **19:50:08** End Time: **03:31:37**

Capacity: **7000.00 psig**  
Last Calib.: **2009.09.01**  
Time On Btm: **2009.08.31 @ 21:10:07**  
Time Off Btm: **2009.09.01 @ 01:44:07**

TEST COMMENT: IF:Weak blow . Built to 6".  
IS:No blow .  
FF:Weak blow . Built to 8".  
FS:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.54	103.69	Initial Hydro-static
2	19.39	103.27	Open To Flow (1)
34	30.37	107.36	Shut-In (1)
93	676.76	109.17	End Shut-In (1)
94	32.27	108.94	Open To Flow (2)
184	56.70	111.91	Shut-In (2)
273	647.25	111.91	End Shut-In (2)
274	1559.67	111.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
95.00	Muddy Water w/oil scum 50%w 50%v	1.33
0.00	100' GP	0.00
0.00	RW = .130 @ 108 deg.	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas

Isern A # 4

125 N. Market, Ste. 1230  
Wichita, KS 67202

25-19s-11w Barton KS

Job Ticket: 33800

DST#: 3

ATTN: Mac Armstrong

Test Start: 2009.08.31 @ 19:50:07

### Tool Information

Drill Pipe:	Length: 3187.00 ft	Diameter: 3.80 inches	Volume: 44.71 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 44.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3188.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Sampler: .3 cu. ft.				
150 PSI				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3162.00	
Sampler	3.00			3165.00	
Hydraulic tool	5.00			3170.00	
Jars	5.00			3175.00	
Safety Joint	3.00			3178.00	
Packer	5.00			3183.00	31.00 Bottom Of Top Packer
Packer	5.00			3188.00	
Stubb	1.00			3189.00	
Recorder	0.00	6798	Inside	3189.00	
Recorder	0.00	8367	Inside	3189.00	
Perforations	18.00			3207.00	
Bullnose	3.00			3210.00	22.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>53.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Novy Oil & Gas

Isern A # 4

125 N. Market, Ste. 1230  
Wichita, KS 67202

**25-19s-11w Barton KS**

ATTN: Mac Armstrong

Job Ticket: 33800

DST#: 3

Test Start: 2009.08.31 @ 19:50:07

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.76 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 36000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Muddy Water w/oil scum 50%w 50%m	1.333
0.00	100' GIP	0.000
0.00	RW = .130 @ 108 deg.	0.000

Total Length: 95.00 ft      Total Volume: 1.333 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

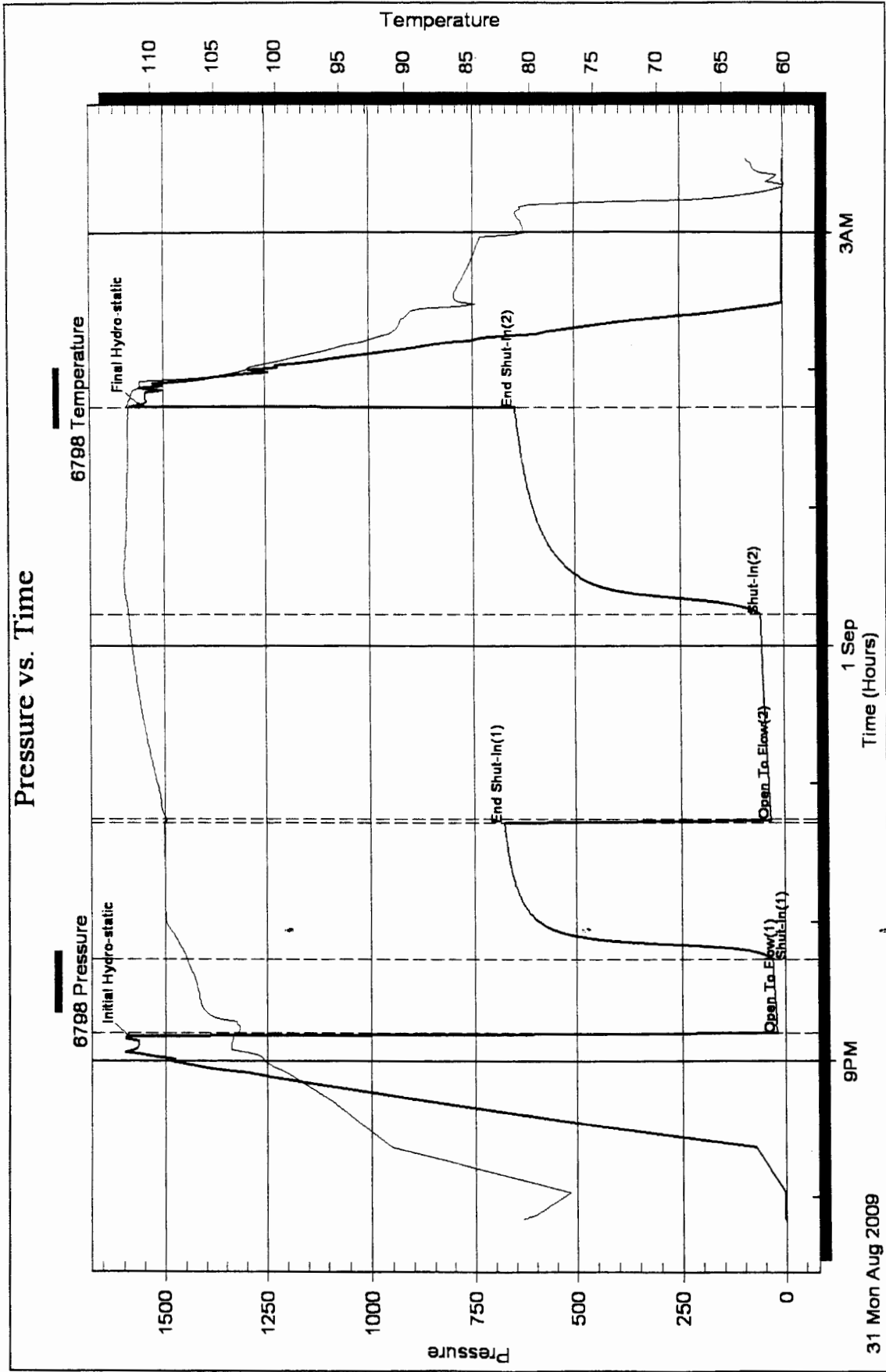
Serial #: none

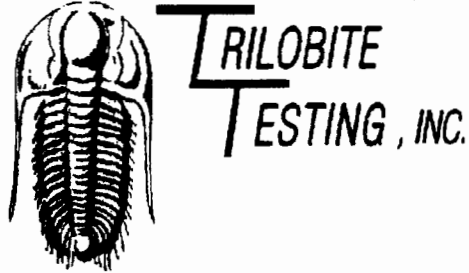
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

125 N. Market, Ste. 1230  
Wichita, KS 67202

ATTN: Mac Armstrong

**25-19s-11w Barton KS**

**Isern A # 4**

Start Date: 2009.09.01 @ 14:06:15

End Date: 2009.09.01 @ 23:08:45

Job Ticket #: 36476

DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Novy Oil & Gas

Isern A # 4

25-19s-11w Barton KS

DST # 4

Arbuckle

2009.09.01



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

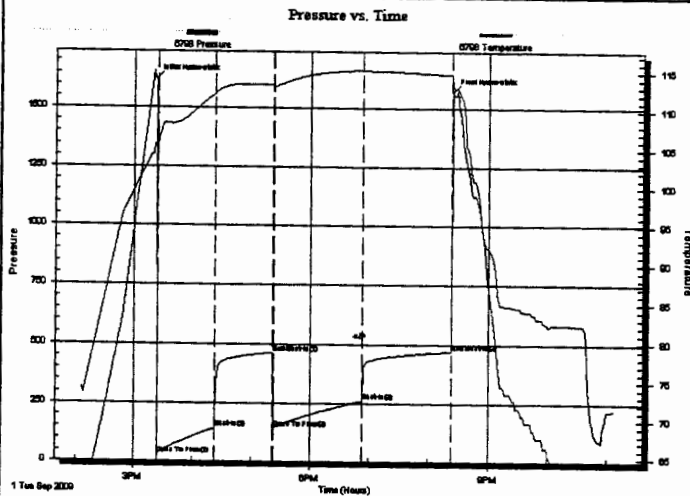
**Isern A # 4**  
**25-19s-11w Barton KS**  
Job Ticket: 36476      **DST#: 4**  
Test Start: 2009.09.01 @ 14:06:15

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:23:15  
Time Test Ended: 23:08:45  
Interval: **3274.00 ft (KB) To 3299.00 ft (KB) (TVD)**  
Total Depth: 3299.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Jerry Adams  
Unit No: 45  
Reference Elevations: 1774.00 ft (KB)  
1766.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 6798      Inside**  
Press@RunDepth: 260.01 psig @ 3275.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2009.09.01      End Date: 2009.09.01      Last Calib.: 2009.09.01  
Start Time: 14:06:16      End Time: 23:08:45      Time On Btrr: 2009.09.01 @ 15:21:45  
Time Off Btrr: 2009.09.01 @ 20:24:15

**TEST COMMENT:** IF: Strong blow. B.O.B. in 5 mins.  
IS: Strong blow. B.O.B. in 5 1/2 mins. Dead in 53 mins.  
FF: Fair blow. B.O.B. in 11 mins.  
FS: Weak blow. Built to 1 1/2".



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.40	105.68	Initial Hydro-static
2	27.77	105.20	Open To Flow (1)
62	142.98	112.16	Shut-In (1)
121	464.12	113.38	End Shut-In (1)
122	144.29	113.14	Open To Flow (2)
211	260.01	115.22	Shut-In (2)
302	471.17	114.76	End Shut-In (2)
303	1571.50	113.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
325.00	Clean Oil 100%o	4.56
63.00	VHCOM 65%g 10%o 25%m	0.88
252.00	SO&WCGsyM 30%g 10%o 15%w 45% m	3.53
0.00	1790' GIP	0.00
0.00	Grav. 42 API @ 65 deg.	0.00
0.00	RW = .12 @ 110 deg.	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
ATTN: Mac Armstrong

**Isern A # 4**  
**25-19s-11w Barton KS**  
Job Ticket: 36476      **DST#: 4**  
Test Start: 2009.09.01 @ 14:06:15

**Tool Information**

Drill Pipe:	Length: 3249.00 ft	Diameter: 3.80 inches	Volume: 45.57 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<b>Total Volume: 45.57 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3274.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Sampler: 10.5 cu.ft				
150 PSI				

**Tool Description      Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut in Tool	5.00			3248.00	
Sampler	3.00			3251.00	
Hydraulic tool	5.00			3256.00	
Jars	5.00			3261.00	
Safety Joint	3.00			3264.00	
Packer	5.00			3269.00	31.00      Bottom Of Top Packer
Packer	5.00			3274.00	
Stubb	1.00			3275.00	
Recorder	0.00	6798	inside	3275.00	
Recorder	0.00	8367	inside	3275.00	
Perforations	21.00			3296.00	
Bullnose	3.00			3299.00	25.00      Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Novy Oil & Gas  
125 N. Market, Ste. 1230  
Wichita, KS 67202  
  
ATTN: Mac Armstrong

**Isern A # 4**  
**25-19s-11w Barton KS**  
Job Ticket: 36476      **DST#: 4**  
Test Start: 2009.09.01 @ 14:06:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 41.5 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 39000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7800.00 ppm		
Filter Cake: 0.20 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
325.00	Clean Oil 100%o	4.559
63.00	VHGC0M 65%g 10%o 25%m	0.884
252.00	SO&WCGsyM 30%g 10%o 15%w 45%m	3.535
0.00	1790' GP	0.000
0.00	Grav. 42 API @ 65 deg.	0.000
0.00	RW = .12 @ 110 deg.	0.000

Total Length: 640.00 ft      Total Volume: 8.978 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time

